

Examiner's Copy

AN 122:296224 HCA  
TI **Steel** sheet for thinned and deep-drawable food cans  
and its manufacture  
IN Sato, Daizo; Nishama, Shigeyoshi; Kunishige, Fumio; Shimizu, Keiichi  
PA Toyo Kohan Co Ltd, Japan  
SO Jpn. Kokai Tokkyo Koho, 6 pp.  
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LA Japanese  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 07034193	A2	19950203	JP 1993-197826	19930714
AB	The hot rolled sheet contg. <b>C</b> 0.08-0.15, <b>Si</b> .ltoreq.0.05, <b>Mn</b> .ltoreq.0.9, <b>P</b> .ltoreq.0.04, <b>S</b> .ltoreq.0.04, <b>Al</b> 0.015-0.10, <b>N</b> 0.0020-0.015, and <b>Nb</b> 0.001-0.020% is cold rolled; box annealed; and (A) single reduce rolled with 0.5-2.0% <b>elongation</b> percentage or optionally (B) DR (double reduce) rolled with 20-50% draft to give a sheet having av. crystal <b>grain</b> size .ltoreq.6.0 .mu.m. The sheet is corrosion resistant and free from surface roughness. Thus, a hot rolled <b>steel</b> sheet contg. <b>C</b> 0.10, <b>Si</b> 0.02, <b>Mn</b> 0.53, <b>P</b> 0.011, <b>S</b> 0.013, sol. <b>Al</b> 0.044, <b>N</b> 0.0022, and <b>Nb</b> 0.004% was cold rolled; box annealed; and single reduce rolled to give a sheet having excellent formability and av. crystal <b>grain</b> size 5.2 .mu.m.				